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|-----------------------|--------------|---------------------|-----------------|-------------------|
| Query Match | 32.6%; | Score 717.4; | DB 19; | Length 1915; |
| Best Local Similarity | 66.9%; | Pred. No. 4.8e-144; | | |
| Matches 1069; | Conservative | 0; | Mismatches 516; | Indels 12; Gaps 3 |

Db 226 GGCATGAAGTCTCTTCGTCCGCCCCGAGATGGCGCCGTGGACCAAGACCGGGGGCTTC 285
 Oy 451 GGTGATGTTCTTGAGGTTTGGCACCGGCATAGCGGCGCAAGGGACACAGAGGTATAC 510
 Db 286 GGGGAGTCTCTGGCGGGCTGGCGCGGCAGATGGCCGGGAAGGGGACCGTGTATGTC 345
 Oy 511 ATAGCACCGGAGCATAGCAATACAAAGATGATGGGTATCGGCTCTTGTGCGAGTTG 570
 Db 346 GTCTCTCCCGCTACGACACATCAAGAGACCGCTGGGACACACAGCTGCTGTCGGAGATC 405
 Oy 571 AAGGTGTGATAGATTAATGAACTCTTGCGTTTTCACACGTCTACAAAGGGAGTTAT 630
 Db 406 AAGATGGAGAGGGGTAGCAGAGCGTCAAGTTCTTCCATCTGTCAAGCCCGGAGTGAG 465
 Oy 631 CGGGTGTGTGATCACCCCTCTCTTCCCTAGAGAAGTTTGGGAAAACTGGAGGAAG 690
 Db 466 CGGGTGTGTGATCACCCCACTGTCTCTGAGAGGGTTTGGGAAAAAGCCGAGGAAG 525
 Oy 691 ATATAGGTCCTGTACAGAAGCTGATTTATGACACACAGCTTAAGTTCTGTCTCTG 750
 Db 526 ATCTAGGGGCTGTGCTGTGGAACGAGACTACAGGACCAACAGCTGCGGGTTACGCTGCTA 585
 Oy 751 TGTTTGGCAACTGTGGAATCCCAAGGGTTCTGAAATCCCAACAATACAAATATCTCT 810
 Db 586 TCGCAGGGAGCACTTGAAGCTCCAAAGGATCTGTGACCTCAACCAACCACTTCTTC 645
 Oy 811 GGACCAAAA--GTGAAGATTATTCATCTGTACAGTATGGGATCTGCTATTA 867
 Db 646 GGACATACGGGAGGAGTGTGTGTGTGTGACAGACTGCGACACCGGCCCTCTTCG 705
 Oy 868 TGCTTTTAAGACCATTTGTATATCAAGCCCATGGAATATACAAAATCTTAAGTTGCT 927
 Db 706 TGCTACTCAAGACA--ACTACCACTCCACAGGATCTACAGGGAGCCAAAGCCGT 762
 Oy 928 TTCTCATTCATTAATTTGGGTATCAGGAGGGTTTGGCTTTGAAATTTTTCGCGTTC 987
 Db 763 TTTCGATCCCAACAATCTCTTACCAAGCGGGTTTGGCTTCCGACTACCCGGAGCTG 822
 Oy 988 AATCTCCCTGATACATTCAGTCTTTCTTTGATTCATGATGGGTATGCAAAACCATTA 1047
 Db 823 AACTCCCGGAGAGATTCAGTGTGCTCTTGATTTATGACGCGTTACGAGAAGCCGTG 882
 Oy 1048 AAAGGAAGAAAAATCACTGATGATGAAGGGGGGAAATTAAGAAATCAGATCTGCATTGACT 1107
 Db 883 GAAAGCCGGAAGATCACTGATGAAAGGCCGGGATCTCGAAGCCGACAGGGTCTCTACC 942
 Oy 1108 GTGAGCCCACTATGAGCCCGGAAGCTGCTCAGGAATGATTAAGGGCTCGAGTTGGAC 1167
 Db 943 GTACGCCCTCTACAGCCGAGAGGCTATCTCCGATTCGCGAGGGCTCGGAGCTGCAC 1002
 Oy 1168 AATATACTGGCTTGAAGAAACATCTGTGCATCATTAATAGAAATGGAATGGAACCAAGAGTGG 1227
 Db 1003 AACTATCATGGCGTCAACCGGCATCACCGGCATCTGTAACGGGATGAGCTGAGGAATGG 1062
 Oy 1228 AATTCCTCAACACAAATATCATTAACGCAAAATTACAGACCAACCACTGTATGGAGCA 1287
 Db 1063 GACCCCAAGCAGGGAGCAAGTACATCGCCGTGAAGTACGACGTGTGAGGGCCGTGGAAGCC 1122

| Accession | Species | Gene | Position | Sequence | Length |
|-----------|---|------|----------|----------|--------|
| QY 1288 | LAGCCACGCAACAGSAGAGCTTTGCCAAGCTGAGAGTTGGACTGCCCGTCAACAGATAAATC | 134 | | | |
| Db 1123 | AAGCGCTGGAACACAGAGAGGCGCTGACAGCGCGAGAGTGGCGCTCCCGGTGACCGCAATC | 118 | | | |
| QY 1348 | CGTGTGATGATTTCATTGTCGACACTGAGAGAACAAAGGGCTTCACACATTTAGTGTGA | 140 | | | |
| Db 1183 | CCGCTGGTGGGGTTTCATCGGACAGGCTGGAAAGACACAGAGGCCCGCCAGCTCATAGGGGGC | 124 | | | |
| QY 1408 | GCAATTCGAAAGTCTTTCGA-----TCAGGATGTTCAAGTGAATGTTCTGGTACTGT | 146 | | | |
| Db 1243 | GCCATCCCGAGGCTCATGAGATGTGAGAGGAGTGCACAGTCTTGTGCTGGACGGGC | 130 | | | |
| QY 1462 | AAAAGAGTTAAGAGCGCCCACTTGCATGCTCTGAGAGACAGATTCCCAACAATTCAGA | 152 | | | |
| Db 1303 | AAGAGAGTTGCAAGCGCATGCTCATGAGCGCGAGAGAAAGTTCCCAAGGAGTGGCG | 136 | | | |
| QY 1522 | GCTCATATGAGTTCAATATTTCTTGGCTCATGAGAAATCATGGCGGGTCTCATATCTT | 158 | | | |
| Db 1363 | GCGGTGGTCAAGTTCAACGGGGCGCTGGGACACACATATGGCGGCGCGACGTGCTC | 142 | | | |
| QY 1582 | GTTATTCCCAAGTATGTTTCGACACCATGCGGTCTCATTCACGCTCCAGGGCATGAGTACGA | 164 | | | |
| Db 1423 | GCGGTACACGCGGCTTCGAGCCCTCGGCGCTCATCTCAGCTGACAGGGATGGGATACGA | 148 | | | |
| QY 1642 | ACCCCTTCCATGTCGACACGAGACTGGTGGGCTGTCGACACTGTCAAGAGAGCATCACA | 170 | | | |
| Db 1483 | ACGCCCTGGCGCTGCGCGCTCACCGGTGGACCTGTCGACACCATCATGGAAGCAAGAC | 154 | | | |
| QY 1702 | GTTTTCCACATGGGTCCTCTTCACTGATGAGTGCAGCATGCGGACGAGAGCGAGTCTGA | 176 | | | |
| Db 1543 | GGGTTCCACATGGGCGCGCTCAGCGCTTAACGTCTGATGAGACCGGACGCTCAAG | 160 | | | |
| QY 1762 | AAGATTGCGAAGCACTGACAGAGAGCCCTTATGTTTATGGAACCGCTGCTTTCAGAG | 182 | | | |
| Db 1603 | AAGGTGGCCACACACATGAGAGCGCCCATCAAGGTGATGCGACCGCGGCTGACGAGAG | 166 | | | |
| QY 1822 | ATGATACAGAACTGCATGGCTCAAGATTTCTCCGAGAGGGGCCAGCAAGAAATGGAG | 188 | | | |
| Db 1663 | ATGATGAGAACTGCATGATCTCCAGATCTCTCTGGAAAGGGCCCTGCCMAACCTGGGAG | 172 | | | |
| QY 1882 | AAGTCTTCTGCTGAGCCCTTGGGCTCGAGGGTAGTGAAGCTGGAATTGAAGGAGAGAGTA | 194 | | | |
| Db 1723 | AACGTGCTCTGACGCTCGGGGTGCGGGCGGCGAGCCAGGGGTGGAAGGCGAGGAGATC | 178 | | | |
| QY 1942 | GCTCTCTCGGCAAGCAAAAGCTGGCCACTCCATGAA | 197 | | | |
| Db 1783 | GCGCGCTGCGCAAGGAGACGTGGCGCGCGCTGAA | 181 | | | |

